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## We claim:

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- 1. An aqueous, buffered, fluoride containing composition, comprising;
  - A. fluoroboric acid or a fluoride containing compound of the general formula R<sub>4</sub>NF, where R<sub>1</sub> through R<sub>4</sub> are independently, hydrogen, an alcohol group, an alkoxy group or an alkyl group, and
- B. a buffer, wherein the aqueous, buffered, fluoride containing composition has a pH greater than 7.0 to about 11.0.
- 10 2. The aqueous, buffered, fluoride containing composition as claimed in Claim 1, wherein the fluoride containing compound is ammonium fluoride, tetramethyl ammonium fluoride or tetraethyl ammonium fluoride.
  - 3. The aqueous, buffered, fluoride containing composition as claimed in Claim 1, wherein the fluoride containing compound is ammonium fluoride.
  - 4. The aqueous, buffered, fluoride containing composition as claimed in Claim 1, further comprising an organic, polar solvent miscible in water.
- 5. The aqueous, buffered, fluoride containing composition of Claim 4, where the organic polar solvent miscible in water is an amine, a sulfoxide, a sulfone, an amide, a lactone, a pyrrolidone, an imidazolidinone, a glycol, a glycol ether and mixtures thereof.
- 25 6. The aqueous, buffered, fluoride containing composition of Claim 4, wherein the organic polar solvent miscible in water is dimethylacetamide.
  - 7. The aqueous, buffered, fluoride containing composition of Claim 4, wherein the organic polar solvent is N-methylpyrrolidone.

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- 8. The aqueous, buffered, fluoride containing composition of Claim 1, wherein the buffer comprises a weak acid or protonated base and a base selected from the group consisting of an amine, ammonia, ammonium hydroxide and an alkyl ammonium hydroxide.
- 9. The aqueous, buffered, fluoride containing composition of Claim 1, wherein the weak acid is HEPES, benzotriazole or vanillin.
- 10. The aqueous, buffered, fluoride containing composition of Claim 1 further comprising a corrosion inhibitor present in amounts up to 20% by weight.
  - 11. The aqueous, buffered, fluoride containing composition of Claim 1, wherein the pH is from greater than 7.0 to about 9.0.
- 15 12. The aqueous, buffered, fluoride containing composition of Claim1, wherein the pH is from greater than 7.0 to about 8.4.
  - 13. An aqueous, buffered fluoride containing composition, comprising;
    - A. from 0.1% by weight to 20% by weight of fluoroboric acid or a fluoride containing compound of the general formula R<sub>4</sub>NF, where R<sub>1</sub> through R<sub>4</sub> are independently hydrogen, an alcohol group or an alkyl group,
    - B. up to 70% by weight of an organic polar solvent, miscible in water,
    - C. a buffer, and
  - D. from 1% by weight to 92% by weight water, wherein the aqueous, buffered, fluoride containing composition has a pH greater than 7.0 to about 11.0.
- 14. The aqueous, buffered, fluoride containing composition of Claim 13, wherein the water is present in amounts from 1% by weight to 70% by weight.

15. A method of stabilizing oxide and metallic etch rates of aqueous, fluoride containing composition, comprising; a fluoride containing compound of the general formula R<sub>4</sub>NF where R<sub>1</sub> through R<sub>4</sub> are independently hydrogen, an alcohol group, an alkoxy group or an alkyl group, or fluoroboric acid; and an organic polar solvent, where the pH of the aqueous fluoride containing composition is adjusted to a pH of greater than 7.0 to about 11.0 and a buffer is added to the composition.